

SUBSTITUTE FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (MODIFIED) PATENT AND TRADEMARK OFFICE								ATTY. DOCKET NO. NOR-999	SERIAL NO. 09/805,085
INFORMATION DISCLOSURE STATEMENT BY APPLICANT								FEB 11 2002	
(Use several sheets if necessary)								APPLICANT Yukio Nakamura	
(37 CFR 1.98(b))								FILING DATE March 13, 2001	GROUP 3752 Unknown

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
JP	A.A	1	8	6	8	6	9	0	7/1932	Brigham				
JP	A.B	2	2	3	1	8	0	8	2/1941	Isaac	57	152		
JP	A.C	2	4	2	4	7	4	3	7/1947	Davis	28	82		
JP	A.D	3	4	5	9	6	1	5	8/1969	Eilerman	156	181		
JP	A.E	3	5	4	3	3	3	2	12/1970	Wagner et al.	18	8		
JP	A.F	3	6	1	5	9	9	5	10/1971	Buntin et al.	156	161		
JP	A.G	3	7	6	2	9	8	2	10/1973	Whittington	161	47		
JP	A.H	3	8	4	9	0	4	0	11/1974	McGinnis et al.	425	72		
JP	A.I	3	9	0	3	8	4	0	9/1975	Gemelli	118	10		
JP	A.J	4	0	3	1	8	5	4	6/1977	Sprague, Jr.	118	641		
JP	A.K	4	0	9	8	6	3	2	7/1978	Sprague, Jr.	156	295		

## FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
JP	A.L	0235815	9/1987	EP			
JP	A.M	2148183	5/1985	GB			
JP	A.N	11244774A	9/1999	Japan			
	A.O						
	A.P						
	A.Q						

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

JP	A.R	Syang-Peng Rwei, <u>Dog-Legging in the Melt Spinning Process</u> , Polymer Engineering and Science, Vol 38, No. 2, pgs. 341-347, February 1998
JP	A.S	J&M Laboratories, <u>Durastitch™ Technology</u> , New Product Release Manual, February 1997
JP	A.T	Rajiv S. Rao et al., <u>Vibration and Stability in the Melt Blowing Process</u> , Ind. Eng. Chem., 32, pgs. 3100-3111, 1993

EXAMINER	DATE CONSIDERED
DINH Q. NGUYEN	7/20/04

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✓N	B.A	4	1	3	5	9	0	3	1/1979	Ohsato et al.		65	5	
✓N	B.B	4	1	4	7	5	8	0	4/1979	Buell		156	291	
✓N	B.C	4	1	8	5	9	8	1	1/1980	Ohsato et al.		65	5	
✓N	B.D	4	2	5	9	2	2	0	3/1981	Bunnelle et al.		260	27	
✓N	B.E	4	3	7	9	0	1	6	4/1983	Stemmller et al.		156	205	
✓N	B.F	4	4	1	8	1	2	3	11/1983	Bunnelle et al.		428	517	
✓N	B.G	4	4	7	3	9	8	6	10/1984	Zeigler		52	645	
✓N	B.H	4	5	2	5	2	2	9	6/1985	Suzuki et al.		156	161	
✓N	B.I	4	5	4	3	0	9	9	9/1985	Bunnelle et al.		604	385	
✓N	B.J	4	6	2	6	3	0	5	12/1986	Suzuki et al.		156	164	
✓N	B.K	4	6	6	6	5	4	2	5/1987	De Jonckheere		156	164	

## FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

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	B.L						
	B.M						
	B.N						
	B.O						
	B.P						
	B.Q						

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

✓N	B.R	Nordson Corporation, <u>Recouping the Costs of Disposable Diaper Improvements</u> , Brochure, 1/1989
✓N	B.S	Exxon Chemical Company, <u>Meltblowing Process</u> , Brochure, 9/1994
✓N	B.T	Nordson Corporation, <u>Adhesive and Powder Application Systems for the Nonwovens Industry</u> , Brochure, 1992

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EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
✓P	C.A	4	6	8	7	4	7	7	8/1987	Suzuki et al.	604	385	
✓P	C.B	4	6	9	5	2	7	8	9/1987	Lawson	604	385	
✓P	C.C	4	7	1	0	1	8	7	12/1987	Boland et al.	604	385	
✓P	C.D	4	7	1	9	2	6	1	1/1988	Bunnelle et al.	525	97	
✓P	C.E	4	7	6	2	5	2	1	8/1988	Roessler et al.	604	38	FEB 15 2002
✓P	C.F	4	7	6	2	5	8	2	8/1988	de Jonckheere	156	164	TC-1700
✓P	C.G	4	7	7	0	6	5	6	9/1988	Proxmire et al.	604	393	
✓P	C.H	4	7	8	8	0	8	9	11/1988	Skipper	428	34.9	
✓P	C.I	4	7	9	8	6	0	3	1/1989	Meyer et al.	604	378	
✓P	C.J	4	8	4	2	6	6	6	6/1989	Werenicz	156	161	
✓P	C.K	4	8	4	4	0	0	3	7/1989	Slautterback et al.	118	323	
FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS										RECEIVED			
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	C.L												
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	C.P												
	C.Q												
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)													
✓N	C.R	Synthetic Surfaces Inc., <u>Roll With It: Aqueous Adhesives Bond Rubber Covered Rollers, Adhesive Age, 2/1994</u>											
✓N	C.S	J and M Laboratories, Inc., <u>DuraSystem Hot Melt Applicators</u> , Brochure, undated											
✓N	C.T	Nordson Corporation, <u>Trends: Stranded Elastic Solutions</u> , Brochure, undated											
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✓N	D.A	4	8	8	0	4	2	0		11/1989	Pomparelli		604	385.1	
✓N	D.B	4	8	9	1	2	4	9		1/1990	McIntyre		427	421	
✓N	D.C	4	9	0	0	3	8	4		2/1990	Sanders et al.		156	204	
✓N	D.D	4	9	1	7	6	9	6		4/1990	De Jonckheere		604	385.2	
✓N	D.E	4	9	4	9	6	6	8		8/1990	Heindel et al.		118	314	
✓N	D.F	4	9	6	0	6	1	9		10/1990	Slatterback et al.		427	265	
✓N	D.G	4	9	8	2	6	8	8		1/1991	Rothen		118	420	
✓N	D.H	5	0	2	4	6	6	7		6/1991	Malcolm et al.		604	382	
✓N	D.I	5	0	2	6	4	5	0		6/1991	Cucuzza et al.		156	244.11	
✓N	D.J	5	0	5	7	5	7	1		10/1991	Malcolm et al.		524	505	
✓N	D.K	5	1	0	2	4	8	4		4/1992	Allen et al.		156	244.11	

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EXAMINER INITIAL		PATENT NUMBER					ISSUE DATE	PATENTEE		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
✓ N	E.A	5	1	7	1	5	1	2	12/1992	Mende et al.	264	555	
✓ N	E.B	5	2	0	8	0	6	4	5/1993	Becker et al.	427	8	
✓ N	E.C	5	2	1	7	5	5	3	6/1993	Marx et al.	156	148	
✓ N	E.D	5	2	7	5	6	7	6	1/1994	Rooyakkers et al.	156	164	
✓ N	E.E	5	3	4	2	6	4	7	8/1994	Heindel et al.	427	2.31	
✓ N	E.F	5	5	0	1	7	5	6	3/1996	Rollins et al.	156	167	
✓ N	E.G	5	5	0	7	9	0	9	4/1996	Rollins et al.	156	425	
✓ N	E.H	5	5	2	5	1	7	5	6/1996	Blenke et al.	156	161	
✓ N	E.I	5	5	7	7	3	0	6	11/1996	Gold	24	715.3	
✓ N	E.J	5	8	8	2	5	7	3	3/1999	Kwok et al.	264	510	
✓ N	E.K	5	9	0	2	5	4	0	5/1999	Kwok	264	555	
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<del>SP</del>	F.A	5	9	0	4	2	9	8	5/1999	Kwok et al.		239	135	
<del>SP</del>	F.B	6	0	7	4	5	9	7	8/2000	Kwok et al.		264	555	
<del>SP</del>	F.C	6	0	7	7	3	7	5	6/2000	Kwok		156	161	
<del>SP</del>	F.D	6	1	9	7	4	0	6	3/2000	Kwok		628	195	
<del>SP</del>	F.E	6	2	0	0	6	3	5	3/2001	Kwok		427	286	
	F.F													
	F.G													
	F.H													
	F.I													
	F.J													
	F.K													

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